



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090123-B

Mode: Highway

Status: Submitted

NC-55

From/Cross Street: Church Street

Specific Improvement Type: 1 - Widen Existing Roadway

To: Old Stage Road

Project Category: Regional Impact

Length: 4.44

TIP#: R-2540

Fully Funded in Draft STIP? No

Cost to NCDOT: \$38,202,000

Description:

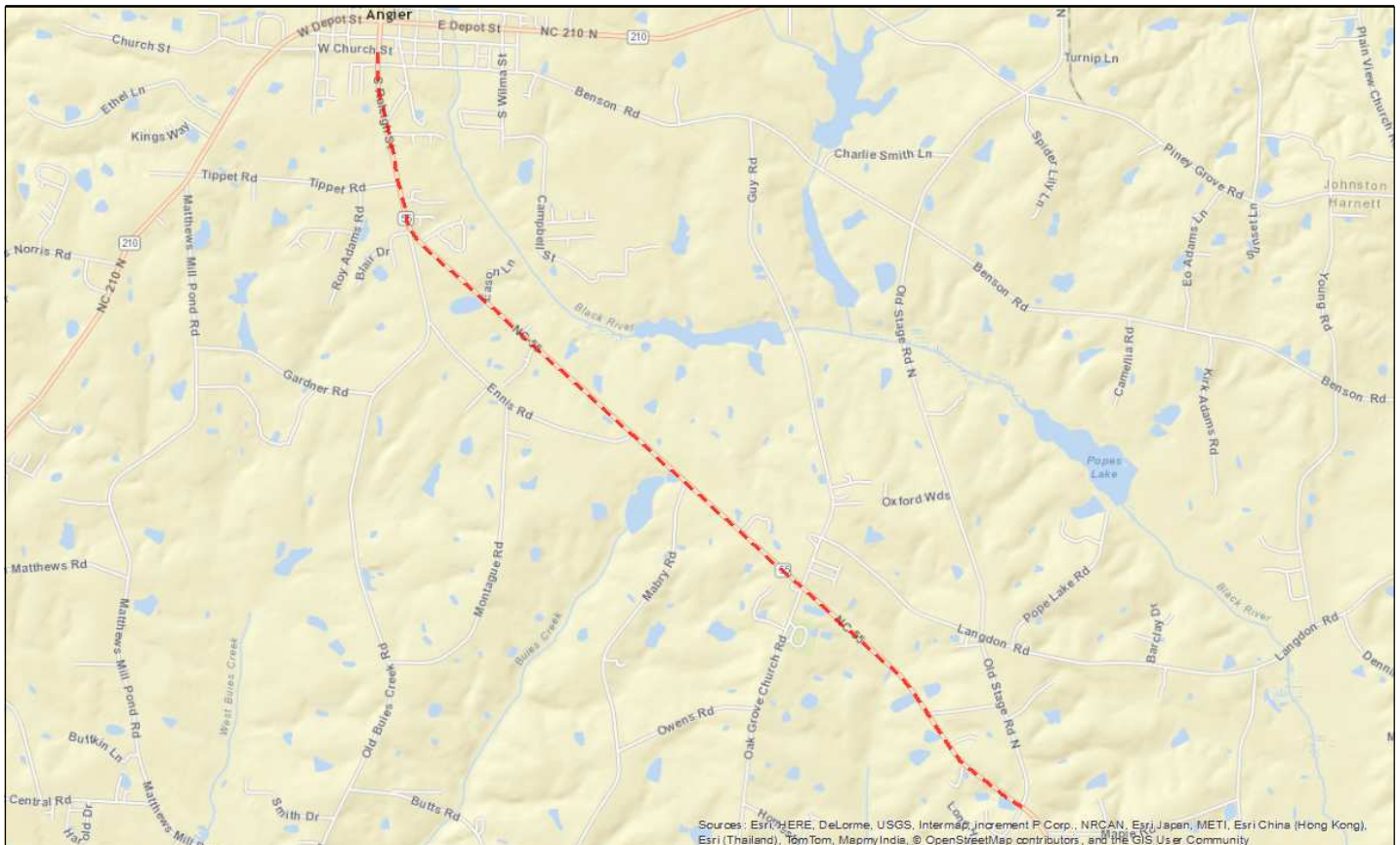
Widen to Multi-Lanes

Division(s): Division 6

County(s): HARNETT

MPOS(s)/RPO(s): Capital Area MPO, Mid-Carolina RPO

Project Location



Statewide Mobility Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Totals: Weight: 0% Weighted Score: 0	N/A	N/A

Regional Impact Total Score: 21.69

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 28.22	Percent: 15% Points: 0	Percent: 15% Points: 30
Safety (10%) 57.36		
[Travel Time] Benefit/Cost (25%) 0.13		
Accessibility / Connectivity (10%) 43.70		
Totals: Weight: 70% Weighted Score: 17.19		

Division Needs Total Score: 18.91

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 28.22	Percent: 25% Points: 0	Percent: 25% Points: 30
Safety (10%) 57.36		
[Travel Time] Benefit/Cost (20%) 0.13		
Totals: Weight: 50% Weighted Score: 11.41		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	52
Length (miles):	4.44
Facility Type:	Two Lane Highway
Access Control:	None
Functional Classification:	Major Collector
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	6639.13
Capacity:	15579.75
Volume/Capacity Ratio:	0.43
% Autos:	95%
% Trucks:	5%
Truck Volume:	311.67
Crash Density:	70.69
Crash Severity:	49.76
Critical Crash Rate:	51.63
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	2
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	33
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	81
Actual Congested Speed:	47
Travel Time Index:	1.1

Project Benefits

Project Cross-Section:	4B - 4 Lane Divided (23' Raised Median) with Paved Shoulders and Sidewalks
Speed Limit:	52
Length (miles):	4.44
Facility Type:	Multi-Lane Highway
Access Control:	Partial
Functional Classification:	Other Principal Arterial
Terrain Type:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	2
Travel Time Savings for 30 Years (Total):	221155.53
Travel Time Savings for 30 Years (Autos):	210773.42
Travel Time Savings for 30 Years (Trucks):	10382.11
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	Yes
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 6

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT On!line tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 6	100%	0	0
	0%	0	0
	0%	0	0
TOTAL Division Points		0	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Capital Area MPO	70%	0	0
Mid-Carolina RPO	30%	30	30
	0%	0	0
TOTAL MPO/RPO Points		30	30

Project Cost and Source

Construction Cost:	\$32,071,000	Cost Estimation Tool
Right-of-Way Cost:	\$5,474,000	Cost Estimation Tool
Utilities Cost:	\$657,000	Cost Estimation Tool
Total Project Cost:	\$38,202,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$38,202,000	